

## **Loan Program Guidelines**

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### **New Irrigation Systems**

The following guidelines must be met for project financing:

1. Replacement systems must have design application flow rate of 8gpm/acre or less.
2. Efficiencies for pumps must be no less than 80% at normal system flow.
3. Mainlines must not exceed 5 ft/sec.
4. Lateral friction loss must not exceed 11 psi per ¼ mile.
5. Fittings and valves must be the same size as the mainline for pipe sizes up to 12” and can be one size under for larger pipelines.
6. Pivots, linear move, and drip systems must not exceed 30 psi before any pressure regulating device and no more than 20 psi at the nozzle at the most critical point of the field.
7. Hand line, wheel line, and solid set systems must have nozzle pressures of no more than 45 psi at the most critical point of the field.
8. All buried mainlines shall be PVC when applicable.
9. New motors must be high efficiency motors.
10. Shade structure must be provided on all electrical panels and pumps larger than 15 hp.

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### **Other Equipment or Systems Upgrades**

1. Provide a description of the upgrade or change required.
2. Give reason change is being performed and estimate of savings from change. (i.e. reduce the number of times to work the field by 3, or I can save \$100 per month on electric bill)
3. Include a drawing of the project. Hand drawings are O.K. Drawings must be legible.
4. Any additional information you can think of about the project.
5. Give the location of the project, legal description, and a contact number in the event an AIM Team member determines an inspection is needed.

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## **Equipment That Can Be Financed**

Electric panels	Heating and cooling ventilation systems
Electric controls	Energy efficient upgrades for dairies parlors
Pumps	Energy efficient upgrades to poultry barns
Pump shade structures	Photovoltaic (solar) systems
Pump bases (concrete)	Insulation
Suction inlets and filters	Lighting system upgrades
Mainline	Waste water systems
Valves	Wind systems
Laterals	Green house sprinkler systems
Nozzles	Potato cellar ventilation equipment
Pressure regulators	
Drop hose	
Offset booms	
Variable speed drives for pumping	
Drip Systems	
Soil moisture monitoring equipment	

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**If any assistance is required for the designing of projects, please contact the AIM Team.**